



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

September 27, 2018

Tim Ciarlo
Product Registration Manager
FMC Corporation
Stine Research Center
1090 Elkton Rd.
Newark, DE 19711

Subject: Label Amendment – Adding WSP language in addition to resistance management language per PR Notice 2017-1
Product Name: Pounce WSB Insecticide
EPA Registration Number: 279-3083
Application Date: October 2, 2017
Decision Number: 541725

Dear Mr. Ciarlo:

The amended label referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, is acceptable. This approval does not affect any conditions that were previously imposed on this registration. You continue to be subject to existing conditions on your registration and any deadlines connected with them.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. You must submit one copy of the final printed labeling before you release the product for shipment with the new labeling. In accordance with 40 CFR 152.130(c), you may distribute or sell this product under the previously approved labeling for 18 months from the date of this letter. After 18 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. “To distribute or sell” is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR 152.3.

Should you wish to add/retain a reference to the company’s website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product’s label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA’s Office of Enforcement and Compliance.

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Your release for shipment of the product constitutes acceptance of these conditions. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6. If you have any questions, please contact Jennifer Gaines at 703-305-5967 or via email at gaines.jennifer@epa.gov.

Sincerely,

A handwritten signature in black ink, appearing to read "Elizabeth Fertich". The signature is fluid and cursive, with the first name being more prominent.

Elizabeth Fertich
Product Manager 04
Invertebrate & Vertebrate Branch 1
Registration Division (7505P)
Office of Pesticide Programs

Enclosure

ACCEPTED

09/27/2018

Under the Federal Insecticide, Fungicide and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 279-3083

RESTRICTED USE PESTICIDE

Due to Toxicity to Fish and Aquatic Organisms
For retail sale to and use only by certified applicators, or persons under their direct supervision and only for those uses covered by the certified applicator's certification.

POUNCE WSB

PERMETHRIN GROUP 3A INSECTICIDE

Insecticide

EPA REG. NO. 279-3083 EPA Est. _____

ACTIVE INGREDIENT:

*Permethrin**24.7%

OTHER INGREDIENTS:75.3%

100.0%

*(3-Phenoxyphenyl)methyl (±) cis-trans 3-(2,2-dichloroethenyl)-2,2-dimethylcyclopropanecarboxylate

**cis/trans ratio: Max. 55% (±) cis and Min. 45% (±) trans

U.S. Patent No. 4,024,163

KEEP OUT OF REACH OF CHILDREN CAUTION

FIRST AID

If Swallowed: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person.

If on Skin or Clothing: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

If in Eyes: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

If Inhaled: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

HOTLINE NUMBER

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-331-3148 for emergency medical treatment information. See other panels for additional precautionary statements.

Sold By
FMC Corporation
2929 Walnut Street
Philadelphia, PA 19104

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

CAUTION

Harmful if swallowed. Harmful if absorbed through skin. Causes moderate eye irritation. Avoid contact with skin, eyes or clothing. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

Personal Protective Equipment (PPE):

Wear waterproof gloves.

Do not apply this product by ULV cold foggers or fog/mist generators.

All mixers, loaders, applicators, and other handlers must wear:

Long-sleeved shirt and long pants. Shoes plus socks. Waterproof gloves for all handlers except for applicators using motorized ground equipment, pilots, and flaggers. Chemical-resistant apron for mixers/loaders, persons cleaning equipment, and persons exposed to the concentrate, and protective eyewear for mixers/loaders and persons exposed to the concentrate.

See engineering controls for additional requirements.

User Safety Recommendations

- Users should wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Users should remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Users should remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

User Safety Requirements

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry. Discard clothing and other absorbent materials that have been drenched (except as required by directions for use) or heavily contaminated with this products concentrate. Do not reuse them.

Engineering Controls

Water-soluble packets, when used correctly, qualify as a closed mixing/loading system under the Worker Protection Standard [40 CFR 170.607(d)]. Mixers and loaders handling this product while it is enclosed in intact water-soluble packets may elect to wear reduced PPE of long-sleeved shirt, long pants, shoes, and socks. When reduced PPE is worn because a closed system is being used, handlers must be provided all PPE specified above for "applicators and other handlers" and have such PPE immediately available for use in an emergency, such as a spill or equipment breakdown. Pilots must use an enclosed cockpit that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d)(6)].

Net Contents:

Environmental Hazards

This pesticide is extremely toxic to aquatic organisms, including fish and invertebrates. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean water mark. Do not apply when weather conditions favor drift from treated areas. Drift and runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when disposing of equipment washwaters.

This chemical has the potential to contaminate surface water through spray drift. Under some conditions, it may also have a potential for transport into surface water in runoff (primarily adsorbed to suspended soil particles), for several months or more after application. These include poorly draining or wet soils with readily visible slopes toward adjacent surface waters, frequently flooded areas, and areas overlying extremely shallow groundwater, areas with in-field canals or ditches that drain to surface water, areas not separated from adjacent surface waters with vegetated filter strips, and areas over-lying tile drainage systems that drain to surface waters.

This pesticide is highly toxic to bees and other pollinating insects exposed to direct treatment on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds while bees or other pollinating insects are foraging the treatment area.

DIRECTIONS FOR USE

Restricted Use Pesticide

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

Insect Resistance Management

For resistance management, Pounce WSB Insecticide contains a Group 3A insecticide. Any insect population may contain individuals naturally resistant to Pounce WSB Insecticide and other Group 3A insecticides. The resistant individuals may dominate the insect population if this group of insecticides is used repeatedly in the same fields. Appropriate resistance-management strategies should be followed. To delay insecticide resistance, take the following steps:

- Rotate the use of Pounce WSB Insecticide or other Group 3A insecticides within a growing season, or among growing seasons, with different groups that control the same pests.
- Use tank mixtures with insecticides from a different group that are equally effective on the target pest when such use is permitted. Do not rely on the same mixture repeatedly for the same pest population. Consider any known cross-resistance issues (for the targeted pests) between the individual components of a mixture. In addition, consider the following recommendations provided by the Insecticide Resistance Action Committee (IRAC):
 - Individual insecticides selected for use in mixtures should be highly effective and be applied at the rates at which they are individually registered for use against the target species.
 - Mixtures with components having the same IRAC mode of action classification are not recommended for insect resistance management.
 - When using mixtures, consider any known cross-resistance issues between the individual components for the targeted pests.
 - Mixtures become less effective if resistance is already developing to one or both active ingredients, but they may still provide pest management benefits.
 - The insect resistance management benefits of an insecticide mixture are greatest if the two components have similar periods of residual insecticidal activity. Mixtures of insecticides with unequal periods of residual

insecticidal activity may offer an insect resistance management benefit only for the period where both insecticides are active.

- Adopt an integrated pest management program for insecticides that includes scouting, uses historical information related to pesticide use, crop rotation, record keeping, and which considers cultural, biological, and other chemical control practices.
- Monitor after application for unexpected target pest survival. If the level of suggests the presence of resistance, consult with your local university specialist or certified pest control advisor.
- Contact your local extension specialist or certified crop advisors for any additional pesticide resistance-management and/or IPM recommendations for the specific site and pest problems in your area.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.

PROHIBITION - Harvesting of conifer seed cones is prohibited within 30 days of application

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is: Coveralls, Chemical-resistant gloves made of any waterproof material, and Shoes plus socks.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

Pesticide Storage

Keep out of reach of children and animals. Store in original containers only. Store in a cool dry place and avoid excess heat. Do not store at temperatures below 32°F (0°C). Rough handling may cause breakage of bags, especially at low temperatures. Allow to warm above 50°F (10°C) before use. Do not allow inner bags to become wet during storage. Do not put concentrate or dilute material into food or drink containers.

In case of spill, avoid contact, isolate area and keep out animals and unprotected persons. Confine spills. Call CHEMTREC: (800) 424-9300.

To confine spill: If liquid, dike surrounding area or absorb with sand, cat litter or commercial clay. If dry material, cover to prevent dispersal.

Place damaged package in a holding container. Identify contents.

Pesticide Disposal

Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative of the nearest EPA Regional Office for guidance.

Container Handling

Non-refillable container: Do not reuse or refill this container. When all water soluble bags are used, the outer package should be clean and may be disposed of in a sanitary landfill, by incineration, or if allowed by State and local authorities, by burning. If burned, stay out of smoke. If outer container contacts formulated product in any way, it must be triple rinsed with clean water. Triple rinse as follows: empty the remaining contents into application equipment or a mix tank. Fill the container 1/4

full with water and close tightly. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

Chemigation Use Directions

Apply this product only through sprinkler including center pivot, lateral move end tow, side (wheel) roll, traveler, big gun, solid set, or hand move irrigation systems. Do not apply this product through any other type of irrigation system. Do not connect an irrigation system (including greenhouse systems) used for pesticide application to a public water system.

Crop injury, lack of effectiveness, or illegal residues in the crop can result from non-uniform distribution of treated water. If you have questions about calibration, you should contact State Extension Service specialists, equipment manufacturers, or other experts. A person knowledgeable of the chemigation system and responsible for its operation, or under the supervision of the responsible person, shall shut the system down and make necessary adjustments should the need arise.

The system must contain a functional check valve, vacuum relief valve, and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow.

The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.

The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.

The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.

The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.

Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock. Do not apply when wind speed favors drift beyond the area intended for treatment.

For Pounce WSB Insecticide mixing instructions, see general instructions. Dilute Pounce WSB Insecticide in sufficient volume of water to ensure accurate application over the area to be treated. Add the proper amount of water soluble bags to the supply tank. Maintain sufficient agitation during both mixing and application to ensure that the bags dissolve and that there is uniformity of the supply tank suspension. Hydraulic or mechanical agitation is recommended. Agitate Pounce WSB Insecticide continuously for the duration of the water application. When using chemigation, a minimum of 0.1 inch per acre of irrigation water is recommended.

APPLICATION INSTRUCTIONS

The product contained in this outer package is a wettable powder formulation of the insecticide permethrin packaged in a translucent water soluble bag. Do not allow the inner bag to become wet before adding to spray or nurse tank. Do not handle the inner bag with wet hands or wet gloves. Rough handling may cause breakage. Do not store at temperatures below 32°F (0°C). Allow to warm above 50°F (10°C) before use. Cooler water temperatures increase the time needed for the inner bag to dissolve completely.

Apply Pounce WSB Insecticide when insects appear or feeding is noticed. Use the higher labeled rate as pest populations increase. Repeat the application as necessary to maintain control. Pounce WSB Insecticide may be applied by both ground and aerial equipment. Use sufficient water to obtain full coverage. With the exception of crops

listed below, do not plant rotational crops within 60 days of last application.

Pounce WSB Insecticide is to be diluted with water for spray application. Do not use strainers finer than 50 mesh size. Determine the number of water soluble bag(s) to make up necessary spray suspension.

Use a minimum spray volume of 5 gallons of water per acre. Air agitation is not recommended. Mix thoroughly to fully disperse and suspend the wettable powder. Mix as needed; do not store diluted material.

Calculate the number of bags needed for the recommended rate and number of acres to be treated by using the following formula:

$$\frac{\text{Recommended Rate for Pest (Active/Acre)}}{0.1 \text{ (amount in each bag)}} \times \frac{\# \text{ Acres to be Treated with Tankload}}{1} = \# \text{ of Pounce WSB Insecticide to use}$$

Instructions for Using Water Soluble Packages Directly into Spray Tanks

Water Soluble Packages (WSPs) are designed to dissolve in water. Agitation may be used, if necessary, to help dissolve the WSP. Failure to follow handling and mixing instructions can increase your exposure to the pesticide products in WSPs. WSPs, when used properly, qualify as a closed mixing/loading system under the Agricultural Worker Protection Standard [40 CFR 170.607(d)].

Handling Instructions

Follow these steps when handling pesticide products in WSPs.

1. Mix in spray tank only.
2. Handle WSPs in a manner that protects package from breakage and/or unintended release of contents. If package is broken, put on PPE required for clean-up and then continue with mixing instructions.
3. Keep the WSPs in outer packaging until just before use.
4. Keep the WSPs dry prior to adding to the spray tank.
5. Handle with dry gloves and according to the label instructions for PPE.
6. Keep WSP intact. Do not cut or puncture WSP.
7. Reseal the WSP outer packaging to protect any unused WSPs.

Mixing Instructions

Follow the steps below when mixing this product, including if tank mixed with other pesticide products. If being tank mixed, the mixing directions 1 through 9 below take precedence over the mixing directions of the other tank mix products. WSPs may, in some cases, be mixed with other pesticide products so long as the directions for use of all mixed products do not conflict. Do not tank mix this product with products that prohibit tank mixing or have conflicting mixing directions.

1. If a basket or strainer is present in the tank hatch, remove prior to adding the WSP to the tank.
2. Fill tank with water to approximately one-third to one-half of the desired final volume of spray.
3. Stop adding water and stop any agitation.
4. Place intact/unopened WSPs into the tank.
5. Do not spray water from a hose or fill pipe to break or dissolve the WSPs.
6. Start mechanical and recirculation agitation from the bottom of tank without using any overhead recirculation, if possible. If overhead recirculation cannot be turned off, close the hatch before starting agitation.
7. Dissolving the WSPs may take up to 5 minutes or longer, depending on water temperature, water hardness and intensity of agitation.
8. Stop agitation before tank lid is opened.
9. Open the lid to the tank, exercising caution to avoid contact with dusts or spray mix, to verify that the WSPs have fully dissolved and the contents have been thoroughly mixed into the solution.
10. Do not add other allowed products or complete filling the tank until the bags have fully dissolved and pesticide is thoroughly mixed.
11. Once the WSP have fully dissolved and any other products have been added to the tank, resume filling the tank with water to the desired level, close the tank lid, and resume agitation.
12. Use the spray solution when mixing is complete.
13. Maintain agitation of the diluted pesticide mix during transport and application.
14. It is unlawful to use any registered pesticide, including WSPs, in a manner inconsistent with its label.

BUFFER ZONES

Vegetative Buffer Strip

Construct and maintain a minimum 10-foot-wide vegetative filter strip of grass or other permanent vegetation between the field edge and down gradient aquatic habitat (such as, but not limited to, lakes; reservoirs; rivers; permanent streams; marshes or natural ponds; estuaries; and commercial fish farm ponds).

Only apply products containing permethrin onto fields where a maintained vegetative buffer strip of at least 10 feet exists between the field and down gradient aquatic habitat.

For guidance, refer to the following publication for information on constructing and maintaining effective buffers: *Conservation Buffers to Reduce Pesticide Losses. Natural Resources Conservation Services.* USDA, NRCS. 2000. Fort Worth, Texas 21 pp.
www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/nrcs143_023819.pdf

Buffer Zone for Ground Application (groundboom, overhead chemigation, or airblast) - Do not apply within 25 feet of aquatic habitats (such as, but not limited to, lakes, reservoirs, rivers, permanent streams, marshes, natural ponds, estuaries, and commercial fish ponds).

Buffer Zone for ULV Aerial Application - Do not apply within 450 feet of aquatic habitats (such as, but not limited to, lakes, reservoirs, rivers, permanent streams, marshes, natural ponds, estuaries, and commercial fish ponds).

Buffer Zone for Non-ULV Aerial Application - Do not apply within 150 feet of aquatic habitats (such as, but not limited to, lakes,

reservoirs, rivers, permanent streams, marshes, natural ponds, estuaries, and commercial fish ponds).

Spray Drift Precautions

Wind Direction and Speed

Only apply this product if the wind direction favors on-target deposition. Do not apply when the wind velocity exceeds 15 mph.

Temperature Inversion

Do not make aerial or ground applications into temperature inversions.

Inversions are characterized by stable air and increasing temperatures with height above the ground. Mist or fog may indicate the presence of an inversion in humid areas. The applicator may detect the presence of an inversion by producing smoke and observing a smoke layer near the ground surface.

Droplet Size

Use only Medium or coarser spray nozzles (for ground and non-ULV aerial application) according to ASAE (S572) definition for standard nozzles. In conditions of low humidity and high temperatures, applicators should use a coarser droplet size.

Additional Requirements for Ground Applications

Wind speed must be measured adjacent to the application site on the upwind side, immediately prior to application.

For ground boom applications, apply using a nozzle height of no more than 4 feet above the ground or crop canopy.

For airblast applications, turn off outward pointing nozzles at row ends and when spraying the outer two rows. To minimize spray loss over the top in orchard applications, spray must be directed into the canopy.

Additional Requirements for Aerial Applications

Mount the spray boom on the aircraft as to minimize drift caused by wingtip or rotor vortices. Use the minimum practical boom length and do not exceed 75% of the wing span or 80% rotor diameter.

Flight speed and nozzle orientation must be considered in determining droplet size.

Spray must be released at the lowest height consistent with pest control and flight safety. Do not release spray at a height greater than 10 feet above the crop canopy unless a greater height is required for aircraft safety.

When applications are made with a cross-wind, the swath will be displaced downwind. The applicator must compensate for this displacement at the downwind edge of the application area by adjusting the path of the aircraft upwind.

Alfalfa; Alfalfa grown for seed* (Includes lucerne, sainfoin, holy clover, esparcet, birdsfoot trefoil and varieties and/or hybrids of these)

Insects Controlled	Rate of Application	Method of Application
Alfalfa Caterpillar Armyworms Blue Alfalfa Aphid Cutworms Green Cloverworm Green Peach Aphid Loopers Pea Aphid Spotted Alfalfa Aphid Velvetbean Caterpillar Webworms	0.05 to 0.2 pound active per acre	Use higher labeled dosage for increased pest pressure or for increased residual pest control. Apply with ground equipment in a minimum of 10 gallons of finished spray per acre or 2 gallons of finished spray per acre by aircraft.
Alfalfa Weevil Cucumber Beetle Egyptian Alfalfa Weevil Meadow Spittlebug Plant Bugs (including Lygus spp.) Potato Leafhopper Stink Bugs	0.1 to 0.2 pound active per acre	
Do not apply more than 0.2 pound active ingredient per cutting.		

*When rates greater than 0.1 pound active per acre are used, do not apply within 14 days of harvest.
 Do not make applications less than 30 days apart
 Do not apply to mixed stands with intentionally-grown forage grasses and/or legumes.
 Applications may be made up to harvest.

Apples

Insects Controlled	Rate of Application	Method of Application
Green Fruitworm Oblique Banded Leafroller Plum Curculio Redbanded Leafroller Rosy Apple Aphid Spotted Tentiform Leafminer Tarnished Plant Bug White Apple Leafhopper	0.1 to 0.25 pound active per acre	Use with ground equipment only. Apply in 25-400 gallons of finished spray per acre when insects appear.
Do not apply more than 0.5 pound active per acre per season. Do not apply after petal fall. Do not graze livestock in treated areas. Do not make applications less than 10 days apart. Do not feed cover crops from treated areas to livestock.		

Artichoke

Insects Controlled	Rate of Application	Method of Application
Artichoke Plume Moth Leafminers	0.1 to 0.3 pound active per acre.	Apply with ground equipment in a minimum of 10 gallons of finished spray per acre or in a minimum of 2 gallons per acre by aircraft. Buds may be harvested on the day of application.
Do not apply more than 3 applications (0.9 pound active ingredient) per acre per season. Do not make applications less than 10 days apart. Applications may be made up to harvest.		

Asparagus

Insects Controlled	Rate of Application	Method of Application
Asparagus Beetle Cutworms	0.05 to 0.1 pound active per acre	Apply with ground equipment in a minimum of 10 gallons of finished spray per acre.
Asparagus Beetle Japanese Beetle (Adult stage)* Lygus Bugs Tarnished Plant Bug	0.1 pound active per acre	For post harvest application, apply to the fern stage of the asparagus plant after spear harvest when larval and adult stage are present. *Not for control of this insect in California.
Do not apply more than 0.4 pound active ingredient per acre per season. Do not make applications less than 7 days apart. Do not apply within 1 day of harvest.		

Avocado

Insects Controlled	Rate of Application	Method of Application
Avocado Caterpillar Avocado Lace Bug Avocado Leafhopper Avocado Leafroller Avocado Looper Avocado Tree Girdler Avocado Whitefly Brown Soft Scale Mirids	0.2 pound active per acre	Apply with ground equipment in 25-400 gallons of finished spray per acre. Apply when insects first appear and repeat at 7 day intervals as needed to provide control.

Omnivorous Looper Orange Tortrix Scale Crawlers Spanworm Thrips Twig Borers		
Do not apply more than 0.8 pound active ingredient per acre per season. Do not make applications less than 7 days apart. Do not graze livestock in treated areas. Do not feed cover crops from treated areas to livestock. Do not apply within 7 days of harvest.		

Brussels Sprouts

Insects Controlled	Rate of Application	Method of Application
Armyworm spp. Cabbage Looper Diamondback Moth Imported Cabbageworm Plant Bugs Thrips	0.05 to 0.1 pound active per acre	Apply with ground equipment in a minimum of 10 gallons of finished spray per acre or in a minimum of 2 gallons per acre by aircraft.
Do not apply more than 0.4 pound active ingredient per acre per season. Do not make applications less than 5 days apart. Do not apply within 1 day of harvest.		

Cauliflower

Insects Controlled	Rate of Application	Method of Application
Armyworm spp. Cabbage Looper Diamondback Moth Imported Cabbageworm Plant Bugs Thrips	0.05 to 0.1 pound active per acre	Apply with ground equipment in a minimum of 10 gallons of finished spray per acre or in a minimum of 2 gallons per acre by aircraft.
Do not apply more than 0.4 pound active ingredient per acre per season and 0.6 pounds active ingredient per acre per season in Hawaii. Do not make applications less than 5 days apart. Do not apply within 1 day of harvest.		

Broccoli; Chinese Broccoli (gai lan, white flowering broccoli)

Insects Controlled	Rate of Application	Method of Application
Armyworm spp. Cabbage Looper Diamondback Moth Imported Cabbageworm Plant Bugs Thrips	0.05 to 0.2 pound active per acre	Apply with ground equipment in a minimum of 10 gallons of finished spray per acre or in a minimum of 2 gallons per acre by aircraft.
Do not apply more than 0.8 pound active ingredient per acre per season. Do not make applications less than 5 days apart. Do not apply within 1 day of harvest.		

Cabbage; Cabbage, Chinese (napa) (tight-heading varieties only)

Insects Controlled	Rate of Application	Method of Application
Cabbage Looper Diamondback Moth Imported Cabbageworm Southern White Butterfly	0.05 to 0.2 pound active per acre	Apply with ground equipment in a minimum of 10 gallons of finished spray per acre or in a minimum of 2 gallons per acre by aircraft.
Armyworm spp. Cutworms Flea Beetles	0.1 to 0.2 pound active per acre	
Do not apply more than 0.4 pound active ingredient per acre per season and 0.8 pounds active ingredient per acre per season in Hawaii. Do not make applications less than 5 days apart. Do not apply within 1 day of harvest.		

Cherries (Includes Sweet Cherries and Tart Cherries)

Insects	Rate of	Method of
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Controlled	Application	Application
Green Fruitworm Lesser Peach Tree Borer Plum Curculio Redbanded Leafroller Rose Chafer Tarnished Plant Bug	0.1 to 0.2 pound active per acre	Use Pounce WSB Insecticide as a dilute spray. Apply when insects appear. Apply with ground equipment in 25-400 gallons of finished spray per acre.
Do not apply more than 0.6 pound active ingredient per acre pre-season. Do not make more than 3 applications per season. Do not graze livestock in treated areas. Do not feed cover crops from treated areas to livestock. Do not make applications less than 10 days apart. Do not apply within 3 days of harvest.		

Chrysanthemums

Insects Controlled	Rate of Application	Method of Application
Liriomyza Leafminer Flies	0.5 pound active per 100 gallons	Avoid spraying the blooms. Pounce WSB Insecticide may be applied on a weekly schedule. Caution: Cultivars may vary in sensitivity and a small number of plants should be treated to determine plant safety prior to commercial use.

Collards and Turnips

Insects Controlled	Rate of Application	Method of Application
Beet Armyworm Cabbage Looper Corn Earworm Cutworms Diamondback Moth European Corn Borer Fall Armyworm Green Cloverworm Imported Cabbageworm Leafhoppers Leafminer Southern Armyworm Southern White Butterfly Tobacco Budworm Vegetable Leafminer Aphids*	0.05 to 0.15 pound active per acre	Apply with ground equipment only. Apply with ground equipment in a minimum spray volume of 10 gallons of finished spray per acre.
For use on Collards in AR, AZ, GA, IL, NC, OK, SC, and TX and on Turnips in FL, GA, IL, IN, OK, SC, TX, and WA. Do not make applications less than 3 days apart. Do not apply more than 0.45 pound active ingredient per acre per season. Do not apply within 1 day of harvest. * Suppression only.		

Conifers (Container and Field Grown)

Insects Controlled	Rate of Application	Method of Application
Nantucket Pine Tip Moth	0.1 to 0.2 pound active per acre	Begin application when the adults appear and repeat at 5 to 7 day intervals throughout the season.

Corn (Field), Field Corn Grown for Seed, Popcorn

Insects Controlled	Rate of Application	Method of Application
Preemergent Use: Armyworms Cutworms Stalk Borers	0.1 to 0.15 pound active per acre as a broadcast spray OR	Pounce WSB Insecticide may be applied as a preplant incorporated, preemergence, or at planting time application. Apply as a broadcast spray by ground or air (minimum

	0.5 to 0.75 ounces per 1000 linear feet row (based on a 4" band and 40" row spacing.)	of 2 gallons finished spray per acre by air) or 4-15 inch band using sufficient spray volume to achieve adequate coverage. Use linear row calculations proportional to the standard Band Width/Row Width formula to adjust rates for different band widths or row spacings. Use higher rates of Pounce WSB Insecticide when incorporating into the soil without exceeding the labeled dosage. When using tank mixes, observe all restrictions and precautions which appear on the labels of these products. Provide constant agitation during mixing and application to keep the mixture in solution.
Foliar Use: Armyworm (including Fall Armyworm) Corn Borer European Southwestern Corn Earworm Corn Rootworm Beetles Cutworms Flea Beetle Hop Vine Borer Stalk Borers Webworms	0.1 to 0.15 pound active per acre	When treating for stalk borers, Pounce WSB Insecticide must be applied when or shortly before the stalk borer larvae are moving into the corn from surrounding weeds and grasses. Mowing or burndown herbicide are suggested to initiate movement. For control of Corn Earworm apply just before silking and continue at intervals of not less than 7 days as needed to provide control. Apply a minimum of 2 gallons of finished spray per acre by air or 10 gallons per acre with ground equipment.
Foliar Use: Western Bean Cutworm	0.05 to 0.1 pound active per acre	
Up to 0.45 pound active ingredient per acre may be used per season. Do not make treatments less than 7 days apart or apply less than 30 days prior to harvest of grain or fodder (stover). Forage may be harvested on the day of application.		

Corn (Field), Field Corn Grown for Seed, Popcorn (At Plant Use)

Insects Controlled	Rate of Application	Method of Application
Armyworms Cutworms	0.5 ounces per 1,000 linear feet of row	Apply as an in-furrow, band or T-band treatment using a minimum 4" band. Use table below to determine the Pounce WSB Insecticide needs for each acre.
Row Spacings (inches)		40 30 20
Pounce WSB Insecticide (pounds ai per acre)		0.10 0.15
		0.15

Corn, Sweet

Insects Controlled	Rate of Application	Method of Application
Corn Earworm Corn Rootworm Beetles* Cutworms European Corn Borer Fall Armyworm Flea Beetle	0.1 to 0.2 pound active) per acre	Apply when insects first appear and repeat at 3 to 5 day intervals as needed to provide control. Apply with ground equipment in a minimum of 10 gallons of finished spray

Hop Vine Borer Leafhoppers Southern Armyworm Stalk Borers		per acre or in a minimum of 2 gallons per acre by aircraft. *Pest does not occur on this crop in California.
Do not apply more than 0.8 pound active ingredient per acre per season. Do not make applications less than 3 days apart. Do not apply within 1 day of harvest.		

Cucurbit Vegetables except Muskmelon (hybrids and or cultivars of *Cucumis melo*) includes: Chayote (fruit) (*Sechium edule*); Chinese waxgourd (Chinese preserving melon) (*Bernincasa hispida*); Citron melon (*Citrullus lanatus* var. *citroides*); Cucumber (*Cucumis sativus*); Gherkin (*Cucumis anguria*); Gourd, edible (*Lagenaria* spp.) (includes hyotan, cucuzza); (*Luffa* spp.) (includes hechima, Chinese okra); (*Momordica* spp.) (includes balsam apple, balsam pear, bitter melon, Chinese cucumber); Pumpkin (*Cucurbita* spp.); Squash, summer (*Cucurbita pepo* var. *melopepo*) (includes crookneck squash, scallop squash, straightneck squash, vegetable marrow, zucchini); Squash, winter (*Cucurbita maxima*; *C. moshata*) (includes butternut squash, calabaza, hubbard squash; (*C. mixta*; *C. pepo*) includes acorn squash, spaghetti squash); Watermelon (includes hybrids and/or varieties of *Citrullus* spp.).

Insects Controlled	Rate of Application	Method of Application
Aphids Leafminers Squash Bug	0.2 pound active) per acre	Apply with ground equipment in a minimum spray volume of 20 gallons of finished spray per acre or in a minimum of 4 gallons per acre by aircraft.
Cabbage Looper Cucumber Beetle (adults) Cutworms Leafhoppers Melonworm Pickleworm Plant Bugs (including Lygus and Stink Bugs) Rindworms Squash Vine Borer	0.1 to 0.2 pound active) per acre	
Do not apply more than 1.2 pounds active ingredient per acre per season. Do not make applications less than 7 days apart. Applications may be made up to harvest.		

Muskmelon (hybrids and/or cultivars of *Cucumis melo*) includes: True cantaloupe, cantaloupe, casaba, Crenshaw melon, golden pershaw melon, honeydew melon, honey balls, mango melon, Persian melon, pineapple melon, Santa Claus melon, and snake melon

Insects Controlled	Rate of Application	Method of Application
Aphids Leafminers Squash Bug	0.2 pound active) per acre	Apply with ground equipment in a minimum spray volume of 20 gallons of finished spray per acre or in a minimum of 4 gallons per acre by aircraft.
Cabbage Looper Cucumber Beetle (adults) Cutworms Leafhoppers Melonworm Pickleworm Plant Bugs (including Lygus and Stink Bugs) Rindworms Squash Vine Borer	0.1 to 0.2 pound active) per acre	
Do not apply more than 0.8 pound active ingredient per acre per season (1.2 pounds active ingredient per acre per season in Hawaii). Do not make applications less than 7 days apart. Applications may be made up to harvest.		

Eggplant

Insects Controlled	Rate of Application	Method of Application
Colorado Potato Beetle	0.15 pound active per	Apply with ground equipment in a minimum of

Insects Controlled	Rate of Application	Method of Application
Cabbage Looper Flea Beetles Vegetable Leafminer	0.1 to 0.15 pound active per acre	10 gallons of finished spray per acre or a minimum of 2 gallons per acre by aircraft. Apply using sufficient water to obtain uniform coverage.
Do not apply more than 0.6 pound active ingredient per acre per season (1.0 pound active ingredient per acre per season in Hawaii). Do not make applications less than 7 days apart. Do not apply within 3 days of harvest.		

Filberts

Insects Controlled	Rate of Application	Method of Application
Filbertworm Oblique Banded Leafroller	0.2 to 0.25 pound active per acre	For full coverage application apply 0.05 to 0.1 pound active per 100 gallons (based on 400 gallons finished spray per acre) and spray to run-off, OR for low volume concentrate application apply 0.2 to 0.25 pound active per acre (50 to 200 gallons finished spray per acre). For aerial application apply 0.2 to 0.25 pound active in a minimum of 10 gallons of finished spray per acre. Apply when insects appear.
Do not apply more than 0.75 pound active ingredient per acre per season. Do not graze livestock in treated areas. Do not feed cover crops from treated areas to livestock. Do not make applications less than 10 days apart. Do not apply within 14 days of harvest.		

Horseradish

Insects Controlled	Rate of Application	Method of Application
Imported Crucifer Weevil (<i>Baris lepidii</i>)	0.15 pound active per acre	For foliar application, apply with ground equipment in a minimum spray volume of 20 gallons finished spray per acre. Make up to 3 foliar applications at intervals of not less than 10 days as needed to control weevil adults during oviposition.
Do not apply more than 0.45 pound active ingredient per acre per season. Do not make applications less than 10 days apart. Do not make applications within 30 days of harvest.		

Leafy Greens Crop Subgroup 4A (except Spinach) includes:

Amaranth; Arugula; Chervil; Chrysanthemum, edible-leaved and garland; Corn salad; Cress, garden; Cress, upland; Dandelion; Dock; Endive; Lettuce, head and leaf; Orach; Parsley; Purslane, garden; Purslane, winter; Radicchio

Insects Controlled	Rate of Application	Method of Application
Aphids Beet Armyworm Corn Earworm Cutworms European Corn Borer Fall Armyworm Green Cloverworm Leafminers Southern Armyworm Tobacco Budworm	0.1 to 0.2 pound active) per acre	Apply when insects first appear and repeat at 3 to 5 day intervals as needed by air or ground to provide control. Use sufficient water to obtain full coverage of foliage. Apply with ground equipment in a minimum of 10 gallons of finished spray per acre or in a minimum of 2 gallons per acre by aircraft.
Alfalfa Looper Cabbage Looper	0.05 to 0.2 pound	

Leafhoppers	active per acre	
Do not apply more than 0.8 pound active ingredient per acre per season (1.2 pounds active ingredient per acre per season in Hawaii). Do not make applications less than 7 days apart. Do not make applications within 1 day of harvest.		

Leafy Petioles Crop Subgroup 4B includes: Cardoon; Celery; Celery, Chinese; Celtuce; Fennel, Florence (sweet anise, sweet fennel, finocchio); Rhubarb; Swiss chard

Insects Controlled	Rate of Application	Method of Application
Aphids Beet Armyworm Corn Earworm Cutworms European Corn Borer Fall Armyworm Green Cloverworm Leafminers Southern Armyworm Tobacco Budworm	0.1 to 0.2 pound active per acre	Apply when insects first appear and repeat at 3 to 5 day intervals as needed by air or ground to provide control. Use sufficient water to obtain full coverage of foliage. Apply with ground equipment in a minimum of 10 gallons of finished spray per acre or in a minimum of 2 gallons per acre by aircraft.
Alfalfa Looper Cabbage Looper Leafhoppers	0.05 to 0.2 pound active per acre	
Do not apply more than 1.0 pound active ingredient per acre per season (1.2 pounds active ingredient per acre per season in Hawaii). Do not make applications less than 7 days apart. Do not make applications within 1 day of harvest.		

Mushrooms (Mushroom houses and adjacent premise areas)

Insects Controlled	Rate of Application	Method of Application
Mushroom Flies (Sciarid and Phorid adults)	Apply 1 bag to 11 gallons water. As a guide, use 1 gallon spray per 750 sq. ft.	Spray directly to walls and ceilings as residual surface treatment only. Spray to point of runoff. Use Pounce WSB Insecticide prior to filling house, during cooldown, during spawning, up to pinning and between breaks. Treat as needed when flies appear.
Do not use when mushrooms are present. Do not make more than 20 applications prior to pinning of first break; apply no more than two applications between each break. Do not apply more than 30 applications total per crop of 5 breaks. Use of high pressure hand wand prohibited in mushroom houses. Do not apply within 3 days of harvest.		

Onions, Bulb

Insects Controlled	Rate of Application	Method of Application
Armyworms Onion Thrips	0.15 to 0.3 pound active per acre	Apply with ground equipment in a minimum of 20 gallons of finished spray per acre or in a minimum of 5 gallons per acre by aircraft.
Cutworms Leafminers Onion Maggots (Adults) Stink Bugs	0.1 to 0.3 pound active per acre	Begin applications when pests appear. Use the higher label rates as Onion Thrips population increases and avoid rescue situations.
Do not apply more than 1.0 pound active ingredient per acre per season. Do not make applications less than 7 days apart. Do not apply within 1 day of harvest.		

Garlic

Insects Controlled	Rate of Application	Method of Application
Armyworms Onion Thrips	9.6 to 12.8 ounces (0.15 to 0.2 pound active) per acre	Apply with ground equipment in a minimum of 20 gallons of finished spray per acre or in a minimum of 5 gallons per acre by aircraft.
Cutworms Leafminers Onion Maggots (Adults) Stink Bugs	6.4 to 12.8 ounces (0.1 to 0.2 pound active) per acre	Begin applications when pests appear. Use the higher label rates as Onion Thrips population increases and avoid rescue situations.
Do not apply more than 0.8 pound active ingredient per acre per season. Do not make applications less than 10 days apart. Do not apply within 1 day of harvest.		

Ornamental Nursery Stock (Field Grown)

Insects Controlled	Rate of Application	Remarks
Bagworm Beet Armyworm Cabbage Looper Citrus Thrips Heliothis spp. Lace Bug Leafhoppers Leafminers Whiteflies	0.1 to 0.2 pound active per 100 gallons of water	Pounce WSB Insecticide may be used to control specified pests on non-edible ornamentals and non-bearing plants of fruiting species. Caution: Pounce WSB Insecticide has demonstrated excellent plant safety; however, not all species and varieties have been tested. Before treating large numbers of plants of a particular variety, treat a few plants and observe prior to full scale application.

Papaya (Florida Only)

Insects Controlled	Rate of Application	Method of Application
Aphids Brown Soft Scale Mealybug Papaya Fruit Fly Papaya Webworm Papaya Whitefly Scale Crawlers	0.15 pound active per acre	Apply with ground equipment in 25-400 gallons of finished spray per acre. Apply when insects first appear and repeat at 10 day intervals as needed to provide control.
Do not apply more than 0.75 pound active per acre per season. Do not make applications less than 10 days apart. Do not graze livestock in treated areas. Do not feed cover crops from treated areas to livestock. Do not apply within 7 days of harvest.		

Peaches, Nectarines

Insects Controlled	Rate of Application	Method of Application
Green Fruitworm Lesser Peach Tree Borer Oriental Fruit Moth Peach Twig Borer Plum Curculio Rose Chafer Tarnished Plant Bug	0.1 to 0.25 pound active per acre	Apply with ground equipment using 25-400 gallons of spray per acre or a minimum of 10 gallons per acre by aircraft. Spray to wet all foliage.
Do not apply more than 0.75 pound active ingredient per acre per season. Do not graze livestock in treated areas. Do not feed cover crops from treated areas to livestock. Do not make applications less than 10 days apart.		

Do not apply within 14 days of harvest.

Harvesting of conifer seed cones is prohibited within 30 days of application.

Pears (Dormant through Delayed Dormant)

Insects Controlled	Rate of Application	Method of Application
Pear Psylla	0.2 to 0.4 pound active per acre	Apply during the dormant through delayed dormant growth periods only. Apply in a minimum of 10 gallons of finished spray per acre by aircraft and 25-400 gallons per acre by ground equipment.
Do not apply more than 0.65 pound active per acre per season. Do not graze livestock in treated areas. Do not feed cover crops from treated areas to livestock. Do not make applications less than 10 days apart.		

Pears (Pre-Bloom)

Insects Controlled	Rate of Application	Method of Application
Codling Moth Green Fruitworm Pear Psylla	0.2 to 0.25 pound active) per acre	Apply with ground equipment using 25-400 gallons of finished spray per acre or a minimum of 10 gallons per acre by aircraft. Prebloom sprays can be applied from dormant through bud burst stages.
Do not apply more than 0.65 pound active ingredient per acre per season. Do not graze livestock in treated areas. Do not feed cover crops from treated areas to livestock. Do not make applications less than 10 days apart.		

Peppers, Bell

Insects Controlled	Rate of Application	Method of Application
Cabbage Looper Corn Earworm Cutworms Flea Beetle Pepper Weevil Vegetable Leafminer	0.1 to 0.2 pound active) per acre	Apply using sufficient water to obtain uniform coverage. Apply with ground equipment using a minimum of 10 gallons of finished spray per acre or a minimum of 2 gallons per acre by aircraft.
European Corn Borer	0.2 pound active) per acre	
Do not apply more than 0.8 pound active ingredient per acre per season. Do not make applications less than 5 days apart. Do not apply within 3 days of harvest.		

Pine Seed Orchards

Insects Controlled	Rate of Application
Coneworms Seed Bugs	Ground (low and high volume applications): Apply 0.2 to 0.4 lb ai/acre using a final carrier solution of 25 to 400 gallons/acre depending on the type of sprayer system being used. Make up to 3 applications per season. Air: Apply 0.6 lb ai/acre. Apply in a minimum of 5 gallons of finished spray per acre. Do not make more than 1 application per season.
To control Webbing Coneworm—make first application within 1 week of female flower closure or peak pollen flight. To control other coneworms and seed bugs—make first application within 30 days following female flower closure.	
Do not graze livestock in treated areas. Do not feed cover crops from treated areas to livestock.	

Pistachios

Insects Controlled	Rate of Application	Method of Application
Leaftooted Bugs Navel Orangeworm Peach Twig Borer Plant Bugs Stink Bugs	0.2 to 0.3 pound active per acre	Use sufficient water to obtain full coverage of foliage. Apply Pounce WSB Insecticide in a minimum of 10 gallons of finished spray per acre by aircraft or by ground equipment in 25-400 gallons of finished spray per acre.
Ants	0.3 pound active Per acre	Application should follow mowing of weed growth to insure maximum coverage of the soil surface. Overhead moisture following application will enhance activity.
Do not apply more than 0.9 pound active per acre per crop season. Do not apply after 10% hull split. Do not graze livestock in treated areas. Do not feed cover crops from treated areas to livestock. Do not make applications less than 10 days apart. Applications may be made up to harvest.		

Potatoes

Insects Controlled	Rate of Application	Method of Application
Aster Leafhopper Beet Armyworm Cabbage Looper Colorado Potato Beetle Cutworms European Corn Borer Potato Aphid Potato Flea Beetle Potato Leafhopper Potato Psyllid Potato Tuberworm Tarnished Plant Bug	0.1 to 0.2 pound active per acre	Apply with ground equipment in a minimum of 10 gallons of finished spray per acre or in a minimum of 2 gallons per acre by aircraft. Use sufficient spray volume to obtain full coverage.
Do not apply more than 0.8 pound active ingredient per acre per season. Do not make applications less than 10 days apart. Do not apply within 14 days of harvest.		

Range Grass (New Mexico Only)

Insects Controlled	Rate of Application	Method of Application
Range Caterpillar	0.01 pound active per acre	Apply using sufficient spray volume to obtain uniform coverage. Apply with ground equipment in a minimum of 10 gallons of finished spray per acre or in a minimum of 2 gallons per acre by aircraft.
Do not apply more than once per year. Cattle may be present during application. Do not harvest or feed hay to livestock.		

Roses (Field Grown)

Insects Controlled	Rate of Application	Method of Application
Heliothis spp.	0.1 to 0.2 pound active per acre	Apply with ground equipment in a minimum of 10 gallons of finished spray per acre or in a minimum of 2 gallons of finished spray per acre by aircraft.

Roses (Greenhouse)

Insects Controlled	Rate of Application	Remarks
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Beet Armyworm Cabbage Looper Omnivorous Leafroller	0.2 pound active per 100 gallons of water	Caution: Varieties may vary in their sensitivity to Pounce WSB Insecticide and a small number of plants should be treated under local conditions to determine plant safety prior to commercial use.
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Soybeans

Insects Controlled	Rate of Application	Method of Application
Bean Leaf Beetle Cabbage Looper Corn Rootworm Beetles Cutworms Flea Beetle Green Cloverworm Japanese Beetle Mexican Bean Beetle Potato Leafhopper Saltmarsh Caterpillar (Woollybear Caterpillar) Thistle Caterpillar Velvetbean Caterpillar	0.05 to 0.1 pound active per acre	Apply with ground equipment in a minimum of 10 gallons of finished spray per acre or in a minimum of 2 gallons per acre by aircraft.
Beet Armyworm Corn Earworm Soybean Looper Webworms	0.1 to 0.2 pound active per acre	
Do not apply more than 0.4 pound active ingredient per acre per season. Do not graze or feed soybean forage or hay. Do not make applications less than 10 days apart. Do not apply within 60 days of harvest.		

Spinach includes: New Zealand spinach and vine spinach

Insects Controlled	Rate of Application	Method of Application
Aphids Beet Armyworm Corn Earworm Cutworms European Corn Borer Fall Armyworm Green Cloverworm Leafminers Southern Armyworm Tobacco Budworm	0.1 to 0.2 pound active per acre	Apply when insects first appear and repeat at 3 to 5 day intervals as need by air or ground to provide control. Use sufficient water to obtain full coverage of foliage. Apply with ground equipment in a minimum of 10 gallons of finished spray per acre or in a minimum of 2 gallons per acre by aircraft.
Alfalfa Looper Cabbage Looper Leafhoppers	0.05 to 0.2 pound active per acre	
Do not apply more than 0.6 pound active ingredient per acre per season. Do not make applications less than 3 days apart. Do not apply within 1 day of harvest.		

Tomatoes, Tomatillos

Insects Controlled	Rate of Application	Method of Application
Beet Armyworm Cabbage Looper Colorado Potato Beetle Granulate Cutworm Hornworms Southern Armyworm Tomato Fruitworm Tomato Pinworm Vegetable Leafminers	0.05 to 0.2 pound active per acre	Apply with ground equipment in a minimum of 10 gallons finished spray per acre or in a minimum of 2 gallons per acre by aircraft.
Do not apply more than 0.6 pound active ingredient per acre per season (0.8 pound active ingredient per acre per season in Hawaii). Do not apply to cherry tomatoes or other varieties which produce fruit less than one inch in diameter. Do not make applications less than 7 days apart Applications may be made up to harvest.		

Walnuts

Insects Controlled	Rate of Application	Method of Application
Codling Moth Navel Orangeworm Walnut Husk Fly	0.2 to 0.25 pound active per acre	Apply when insect pests first appear. Ground Application – Apply as a dilute spray (minimum of 100 gallons finished spray per acre) or concentrate spray (minimum of 25 gallons finished spray per acre) in sufficient water to provide thorough coverage. Aerial Application – Apply in a minimum of 10 gallons finished spray per acre.
Do not apply more than 0.75 pound active ingredient per acre per season. Do not graze livestock in treated areas. Do not feed cover crops from treated areas to livestock. Do not make applications less than 10 days apart. Do not apply within 1 day of harvest.		

Premises Spray

For agricultural use only.

Spray directly to walls and ceiling as residual surface treatment only.

Use Restrictions

Do not treat manure or litter. Do not contaminate feed and water. Do not apply directly to livestock or poultry. Do not enter or allow others to enter until sprays have dried. Close milk bulk tank lids to prevent contamination from spray and from dead or falling insects. Remove or cover milking utensils before application. Wash teats of animals before milking.

For Application in	Target Insects	Method of Application	Dilute	Application Rate
Dairies, Barns, Feedlots, Stables, Poultry Houses, Swine and Livestock Houses	House Flies, Stable Flies and other Manure Breeding Flies. Also aids in the reduction of Cockroaches, Mosquitoes and Spiders.	Sprayer	1 bag to 11 gallons water	1 gallon per 750 square feet of surface
Re-treat as necessary, but not more often than once every 2 weeks. The use of any residual fly spray should be supplemental with proper manure management and general sanitation to reduce or eliminate fly breeding sites.				

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